






















| DEPTH (FEET) | OTHER TESTS | SHEAR STRENGTH PSF | ATTEBERG LIMITS | | | FIELD MOISTURE CONTENT % | DRY DENSITY PCF | WATER LOSS (LUGGONS) | PERCENT RECOVERED | ROD |
|-----------------|----------------|--------------------------|----------------------|-----------------------|--------------------------|-----------------------------------|--------------------|-------------------------|----------------------|-----|
| | | | LIQUID LIMIT % | PLASTIC LIMIT % | PLASTICITY INDEX % | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| 75 | | | | | | | | | | |
| 80 | | | | | | | | | 96 | 34 |
| 85 | | | | | | | | | | |
| 90 | | | | | | | | | 100 | 83 |
| 95 | | | | | | | | | | |
| 100 | | | | | | | | | 90 | 66 |
| 105 | | | | | | | | | | |
| 110 | | | | | | | | | 95 | 72 |
| 115 | | | | | | | | | | |
| 120 | | | | | | | | | 98 | 93 |
| 125 | | | | | | | | | | |
| 130 | | | | | | | | | 100 | 100 |
| 135 | | | | | | | | | | |
| 140 | | | | | | | | | 100 | 95 |
| 145 | | | | | | | | | | |
| 150 | | | | | | | | | 100 | 91 |

BORING A-2 CONTINUED

ELEVATION
(FEET)

SYMBOLS

DESCRIPTIONS

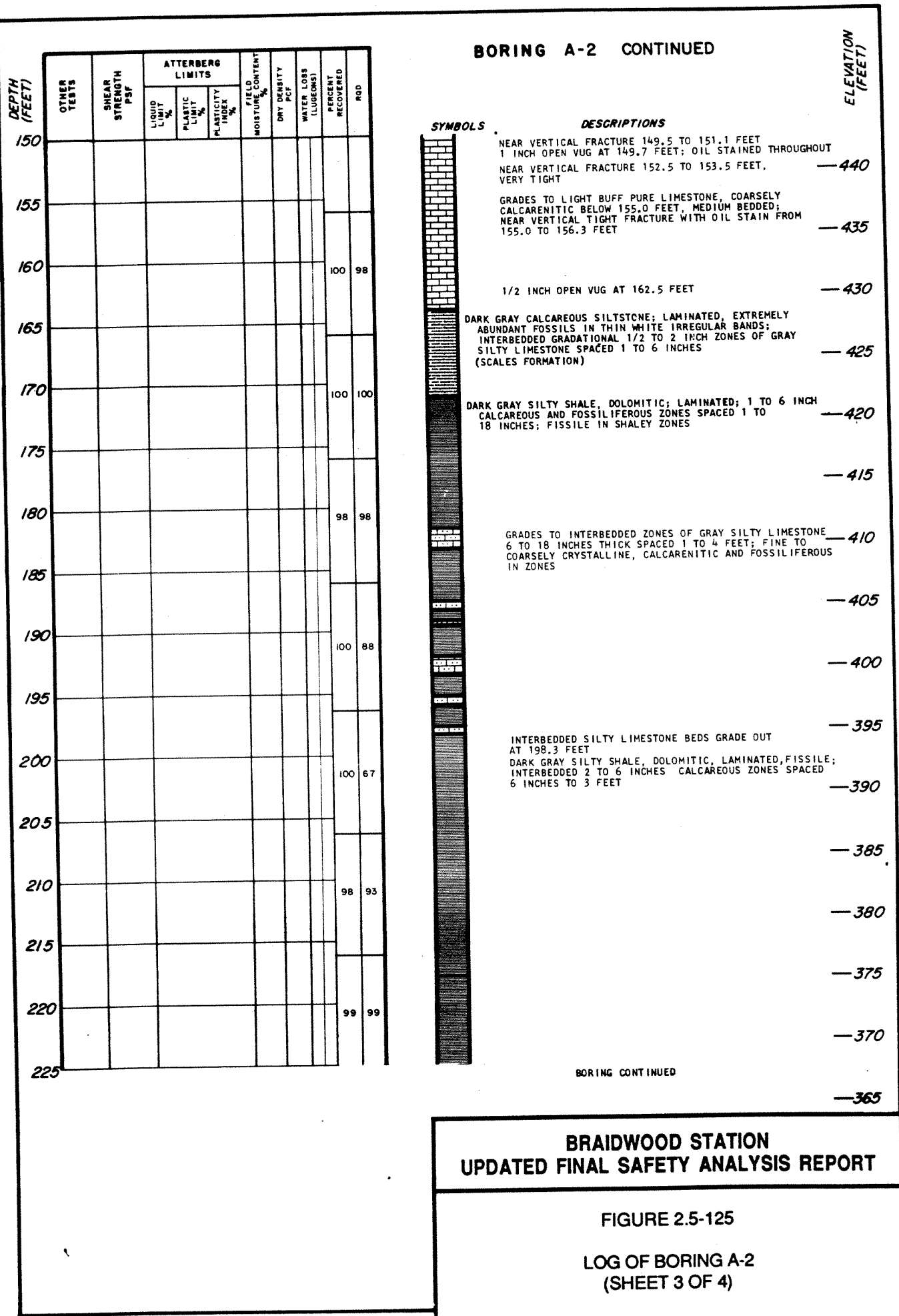
| | | |
|---|--|------|
|  | 30° AND HIGH ANGLE FRACTURES SPACED 2 TO 12 INCHES FROM 75.5 TO 78.5 FEET | —515 |
|  | ZONE OF FRACTURED DISTORTED LAMINATIONS 78.5 TO 79.8 FEET | |
|  | BLACK COAL; THIN BEDDED; NUMEROUS VERTICAL TIGHT FRACTURES WITH SOME PYRITE AND CLAY; GRADES TO HIGHLY CARBONACEOUS SHALE IN BASAL 3 INCHES | —510 |
|  | DARK GRAY CLAYEY SHALE, CARBONACEOUS; HIGHLY FRAGMENTED WITH NUMEROUS RANDOM SLICKENSIDES (SPOON FORMATION) | |
|  | GRADES LESS CARBONACEOUS, LIGHT BROWN TO GRAY COLOR BELOW 87.0 FEET | —505 |
|  | GRADES CARBONACEOUS AT 90.5 FEET | |
|  | LIGHT GRAY FINE SANDY SILTSTONE, MICACEOUS; INDISTINCTLY LAMINATED | —500 |
|  | GRADES THINLY LAMINATED BELOW 96.0 FEET | |
|  | 2 INCH LAYER OF BROWN SILTY OOLITIC SIDERITE AT 98.2 FEET | —495 |
|  | DARK BROWNISH-GRAY CLAYEY SHALE, CARBONACEOUS IN ZONES; FRAGMENTED WITH NUMEROUS SLICKENSIDES ALONG RANDOM PLANES OF WEAKNESS | |
|  | GRADES HIGHLY CARBONACEOUS 104.9 TO 105.3 FEET | —490 |
|  | MOTTLED BROWNISH-RED TO GREEN SHALE, INDISTINCTLY LAMINATED; FRAGMENTED, NUMEROUS RANDOM FRACTURES WITH SLICKENSIDES | —485 |
|  | DARK GREENISH-GRAY SHALE, DOLOMITIC; LAMINATED 30° AND 45° FRACTURES AT 110.5 AND 111.5 FEET (BRAINARD FORMATION) | —480 |
|  | GRADES CALCAREOUS AT 122.0 FEET | —475 |
|  | GRAY SILTY LIMESTONE, FINE TO MEDIUM CRYSTALLINE, FOSSILIFEROUS; THIN BEDDED WITH NUMEROUS GRADATIONAL AND IRREGULAR PARTINGS AND 1/4 TO 2 INCH ZONES OF CALCAREOUS SHALE SPACED 1/4 TO 10 INCHES. (FORT ATKINSON FORMATION) | —470 |
|  | GRADES CALCAREOUS AT 122.0 FEET | —465 |
|  | GRAY SILTY LIMESTONE, FINE TO MEDIUM CRYSTALLINE, FOSSILIFEROUS; THIN BEDDED WITH NUMEROUS GRADATIONAL AND IRREGULAR PARTINGS AND 1/4 TO 2 INCH ZONES OF CALCAREOUS SHALE SPACED 1/4 TO 10 INCHES. (FORT ATKINSON FORMATION) | —460 |
|  | GRADES CALCAREOUS AT 122.0 FEET | —455 |
|  | GRAY SILTY LIMESTONE, FINE TO MEDIUM CRYSTALLINE, FOSSILIFEROUS; THIN BEDDED WITH NUMEROUS GRADATIONAL AND IRREGULAR PARTINGS AND 1/4 TO 2 INCH ZONES OF CALCAREOUS SHALE SPACED 1/4 TO 10 INCHES. (FORT ATKINSON FORMATION) | —450 |
|  | GRADES CALCAREOUS AT 122.0 FEET | —445 |
|  | LIGHT GRAY LIMESTONE WITH SOME SILT, CALCARENITIC; THIN BEDDED, IRREGULAR HAIR LINE SHALE PARTINGS AND STYOLITES SPACED 1/2 TO 8 INCHES | —440 |

BORING CONTINUED

BRAIDWOOD STATION UPDATED FINAL SAFETY ANALYSIS REPORT

FIGURE 2.5-125

LOG OF BORING A-2
(SHEET 2 OF 4)



| DEPTH (FEET) | OTHER TESTS | SHEAR STRENGTH PSF | ATTERBERG LIMITS | | | FIELD MOISTURE CONTENT % | DRY DENSITY PCF | WATER LOSS (LUGGONS) | PERCENT RECOVERED | RQD |
|-----------------|----------------|--------------------------|----------------------|-----------------------|--------------------------|--------------------------------|--------------------|-------------------------|----------------------|-----|
| | | | LIQUID LIMIT % | PLASTIC LIMIT % | PLASTICITY INDEX % | | | | | |
| 225 | | | | | | | | | | |
| 230 | | | | | | | | | 100 | 98 |
| 235 | | | | | | | | | | |
| 240 | | | | | | | | | 100 | 100 |
| 245 | | | | | | | | | | |
| 250 | | | | | | | | | 100 | 100 |
| 255 | | | | | | | | | | |
| 260 | | | | | | | | | 100 | 100 |
| 265 | | | | | | | | | | |
| 270 | | | | | | | | | 100 | 98 |
| 275 | | | | | | | | | | |
| 280 | | | | | | | | | | |

BORING A-2 CONTINUED

ELEVATION
(FEET)

SYMBOLS

DESCRIPTIONS

CALCAREOUS ZONES GRADED THINNER AND MORE WIDELY
SPACED, BELOW 227.0 FEET

—365

—360

—355

—350

—345

MOTTLED LIGHT GRAY TO BUFF DOLOMITIC LIMESTONE; FINE TO
MEDIUM CRYSTALLINE; THIN TO MEDIUM BEDDED, NUMEROUS
IRREGULAR HAIR LINE SHALE PARTINGS SPACED 1/2 TO
12 INCHES; UPPER CONTACT DISPLAYS NUMEROUS 1 TO 3 INCH
SOLUTION CAVITIES WHICH HAVE BEEN FILLED COMPLETELY
BY CONSOLIDATED MATERIAL WHICH GRADES INTO THE OVERLYING
SCALES FORMATION

—340

1 INCH VUG AT 256.3 FEET, PARTIALLY FILLED WITH
CALCITE CRYSTALS

—335

(WISE LAKE - DUNLEITH FORMATIONS)

—330

—325

—320

1/2 INCH OPEN VUG AT 274.5 FEET

—315

BORING COMPLETED AT 276.0 FEET
ON 9-14-72
300 POUND HAMMER FALLING 18 INCHES

—310

BRAIDWOOD STATION UPDATED FINAL SAFETY ANALYSIS REPORT

FIGURE 2.5-125

LOG OF BORING A-2
(SHEET 4 OF 4)